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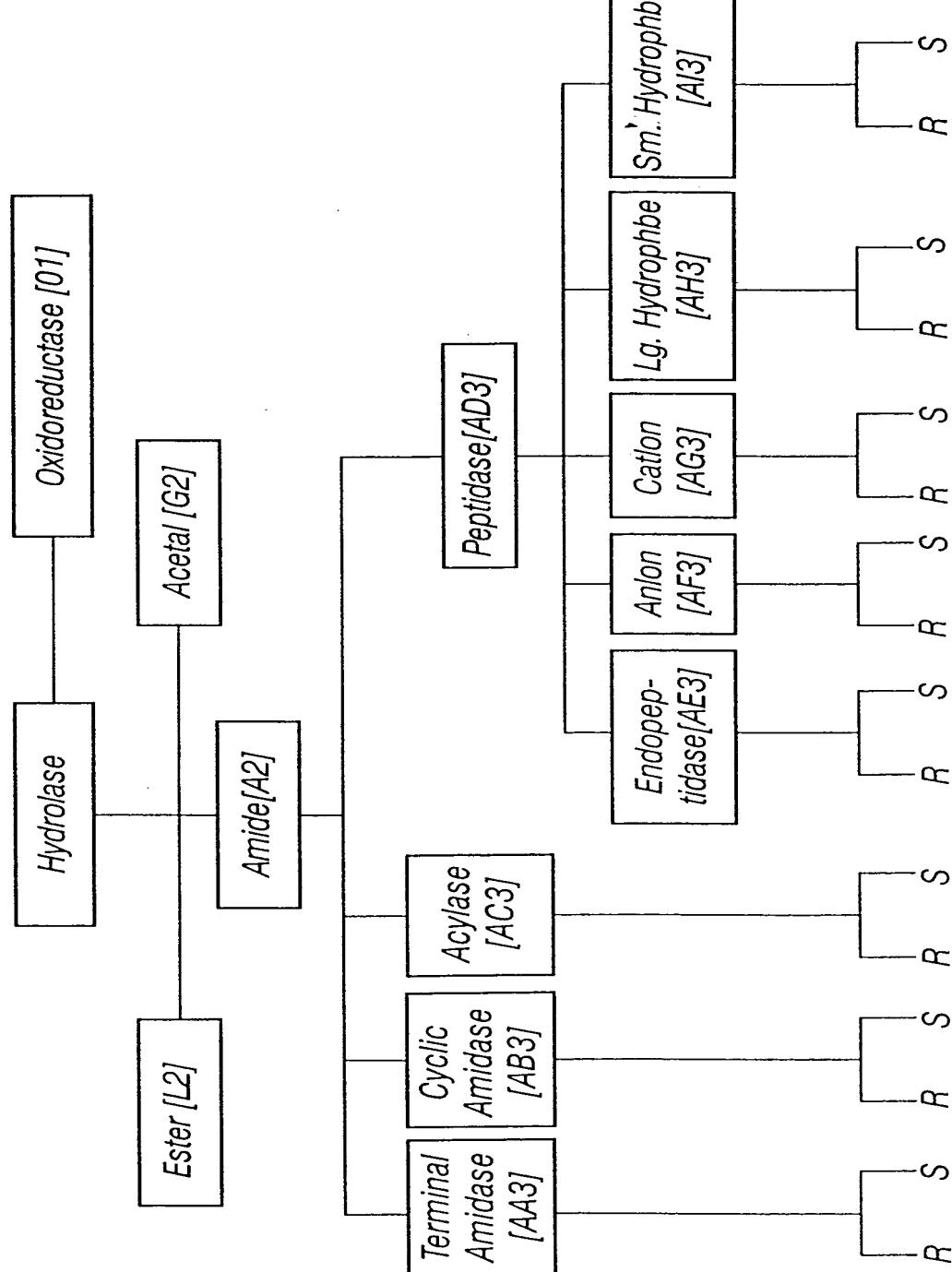
## *Tier I*

## *Tier II*

### **Tier III**

## *Tier IV*

FIG. 1





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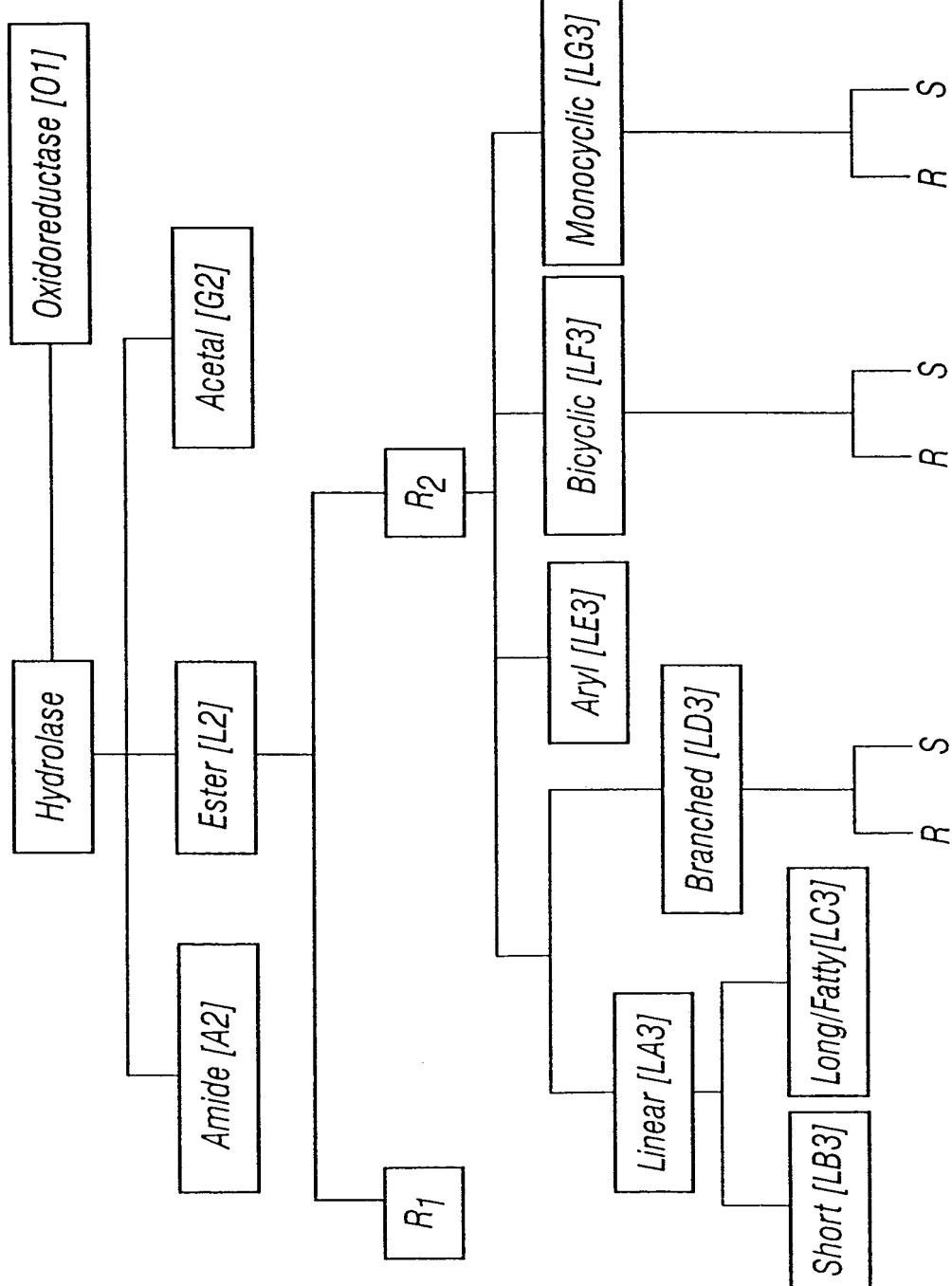
Tier I

Tier II

Tier III

Tier IV

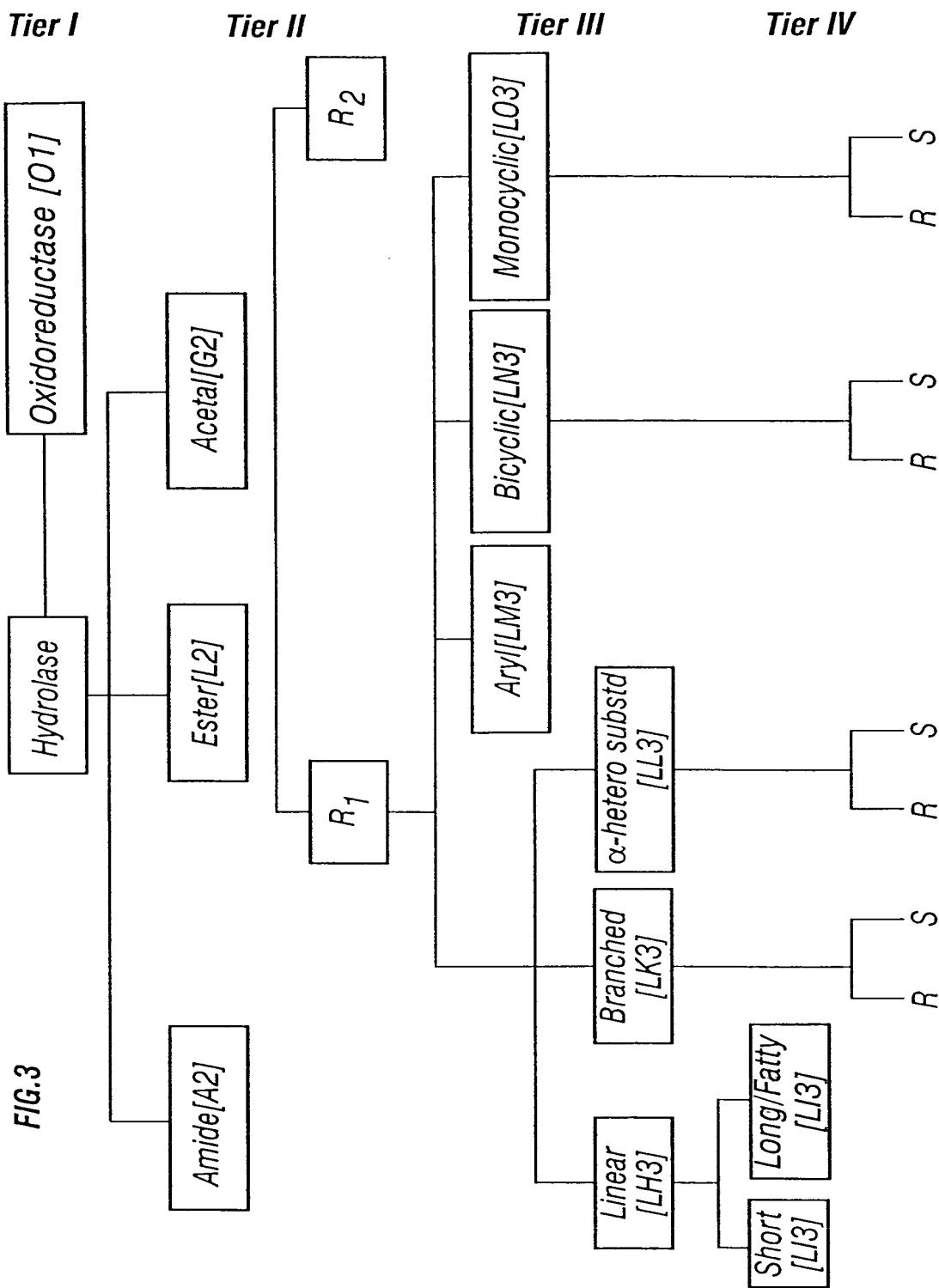
FIG.2





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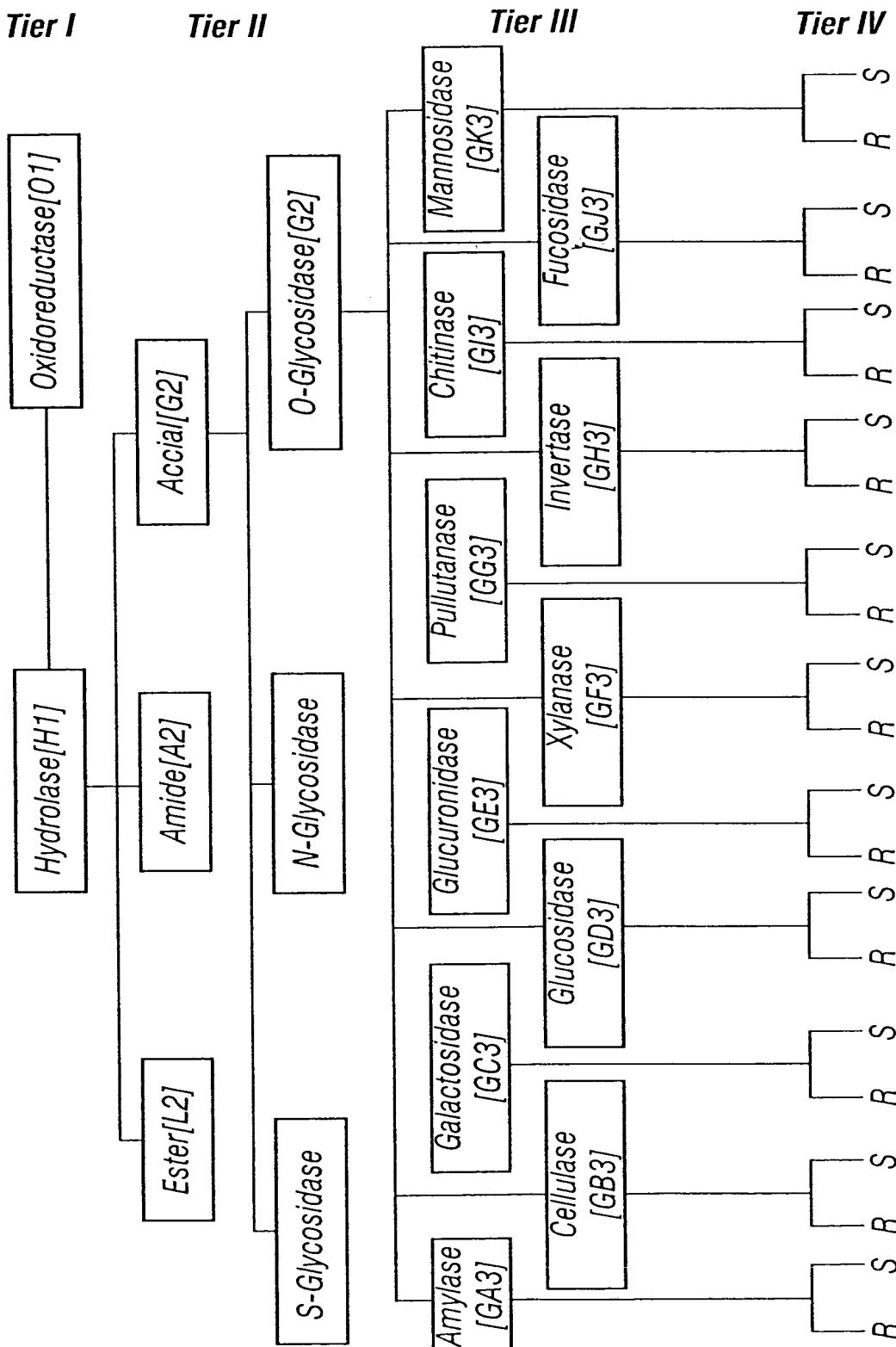




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FIG. 4





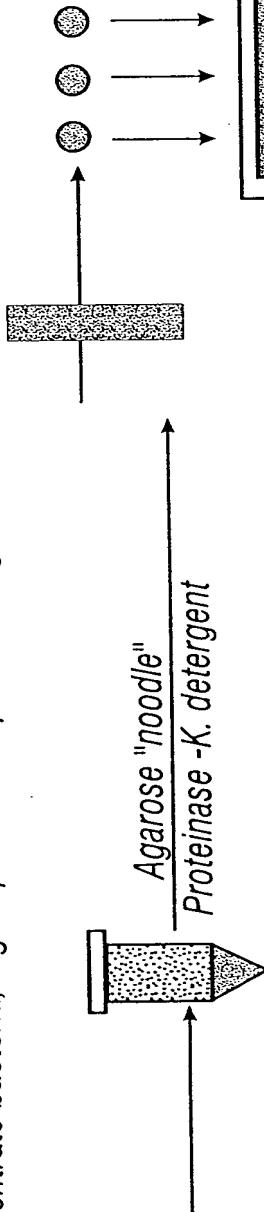
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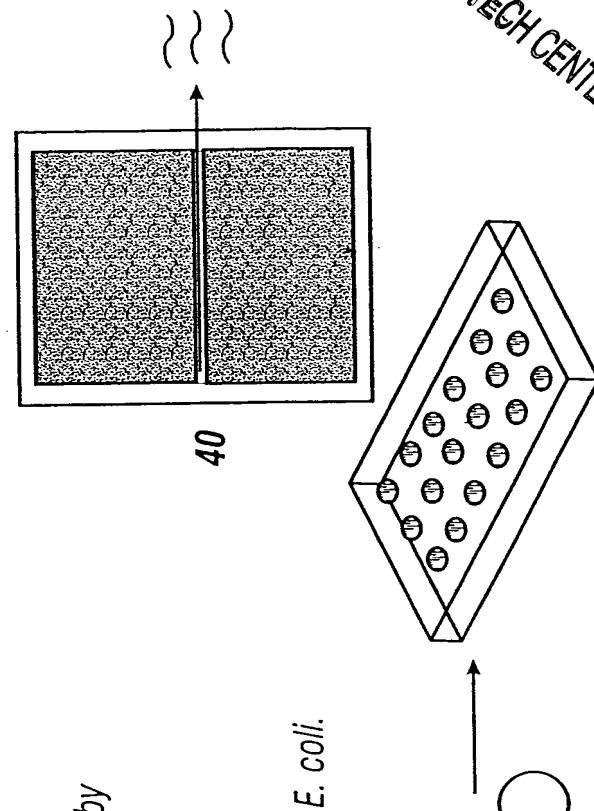
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*Environment Library Construction in  
pFOS1*

1. Concentrate bacteria, digest protein and preserve high MW DNA



2. Partially digest DNA and select 40 kbp fragments by  
PFGE or by  $\lambda$ - packaging (step 3)



3 Ligate to fosmid arms, package and transfect to *E. coli*.  
Array library in microtiter plates.

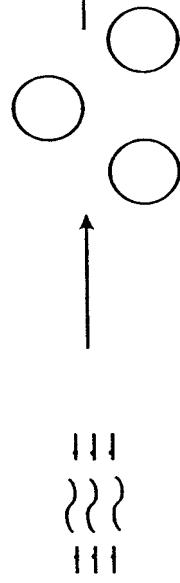


FIG. 5